

Preventive service of 6 kV frequency converters, working in the installation of flue gas fans of one of the units in the oldest lignite power plant in Poland with a total installed power of more than 2000MW

Operational training and continuous customer support by Inrol Automatyka increases user awareness of the essence of preventive actions, in order to minimize unplanned equipment downtime. The customer's technical support in the current operation and system development work contributes to the optimization of equipment operation necessary for technological. The user of the correct operation of the systems decided on a scheduled shutdown of medium-voltage PowerFlex7000 inverters from Rockwell Automation in order to replace depleted components (power supplies and fans). The preventive measures took place after 6 years of operation (about 50,000 hours worked), as recommended by the manufacturer of the PF7000L drive in the maintenance schedule in the device's DTR. The drives in question, 3,400kW, 6kV each, liquid-cooled, power the flue gas fans at unit 4.

Scope of work performed:

- Analysis of the documentation of the drives, and cooperation with the User in order to jointly select recommended components for replacement
- Delivery of spare parts -power supplies and fans
- Disassembly of depleted components of the drives and installation of new ones
- Participation in the commissioning of the drives, and observation of operating parameters after the activities carried out
- Preparation of reports on the work carried out